THE TECH

VOL. XXVII. No. 84 BOSTON, MASS., MONDAY, MAY 18, 1908 PRICE THREE CENTS

PROVISIONAL EXAMINATION SCHEDULE ANNOUNCED.

EXAMS BEGIN MAY 25.

Following Schedule Subject To Correction by Institute Bulletin.

Year.	Subject.	Hour.
	Monday, May 25.	
4	*Alt. Current Mach. 650.	9-12
3	*Applied Mechanics I, XI, IV, 74, 77.	9-12
3	*History of Science. 761.	2-4
4	*Hydraulics. 330, 331, 332.	9-12
4	*Metallurgy Elem. 443.	9-11
3,4	*Theoretical Chemistry. 610.	9-12
3	*Mining Engineering. 458.	9-12
7	Theory of Warship Design. 915-916.	3-4
	Tuesday, May 26.	
4	*Ap. Mech. 80, 11, 111, X, XIII, XIII-A.	9-12
4	*Ap. Mech. 82, VI.	9-11
3	Business Law. 186	2-4
3G	Electrical Engineering. 680.	9-11
3	English Literature of XIX Century. 157	9-11
3	European Civilization and Art. 177.	9-11
G	European Civilization and Art. 176.	9-12
3	History of Science. 761.	9-11
4	Industrial Chemistry. 580.	9-11
3	Labor Problems. 196.	9-11
4	*Machine Design. 404.	2-5
3	Municipal Government. 181	9-11
4	Naval Architecture. 902.	9-11
3	Organization of Industry. 197.	9-11
3	Railroad Economics. 194.	9-11
4	Structures. 348, 350, 351.	9-12
	Wednesday, May 27.	
4	Alt. Current Mach. 650.	9-12
3,4	Alternating Currents. 656	9-12
4	Applied Chemistry. 640.	9-11
4	*Bacteriology of Water and Sewage. 748.	2-4
4	Constructive Design. 532.	9-12
4	Electrostatics & Electrodynamics. 691.	9-12
4	*Foundations. 349.	2-5
4	*Heating and Ventilation. 414.	2-4
4	*Heating and Ventilating Engineering. 423.	2-4
4	Industrial Management. 409.	9-11
4	Metallurgy. 442.	9-12
3	Microscopic Anatomy. 722.	9-12
3	Mining Engineering. 458.	2-5
4	*Organic Chemistry. 592.	9-12
4	*Railroad Engin. 319.	9-12
4	*San. and Hyd. Eng. 334.	9-12
3	Structures. 345, 346.	9-12
4	Theoret. Biology. 704.	9-12
3	Vector Anaylsis. 47.	2-4
	Thursday, May 28.	
3	Analytical Mechanics. 95.	9-12
3	Applied Mech. 71, 73, II, III, VI, X, XIII, XIII-A.	9-12
3	Applied Mech. 75. IV.	9-12
3	†Assaying. 432, 433.	2-4.30
3	Bacteriology. 744.	9-12
4	Bridge Design. 355.	9-12
2	*Differential Calculus. 34.	9-12
2	*Differential and Integral Calculus. 31.	9-12
3,4	*Dynamo Electric Machinery. 661.	2-4
4	Electrical Engineering. 657.	2-5
3	Embryology. 723.	2-5
2	*English Literature. 150.	2-4
4	Foundations. 407.	9-11
4	History of Chemistry. 645.	2-4
4	*Hydraulic Measurements. 333.	2-5
2,4	*Metallurgy of Iron. 441.	2-4
3	Organic Chemical Laboratory 599.	9-11
3	*Top Geology. 874.	2-4
	Friday, May 29.	
4	Applied Electro-Chemistry. 797.	9-11
4	Applied Mechanics. 81, II, XIII, XIII-A	9-12
3	Architectural History. 491.	9-12
3	*Elements of Electrical Engineering. 653.	9-11
3	*Elements of Electrical Engineering. 655.	2-5
4	European Civilization and Art. 175.	2-5
G	Hydrodynamics. 903.	9-12
2,3	*Organic Chemistry. 590.	2-4
4	Personal Hygiene. 729.	2-4
2	Physics. 770, 2d term.	9-12
4	Prox. Tech. Anal. 629.	9-12
3,4	Quantitative Analysis. 559.	9-12

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THREE MANAGERS CHOSEN AT SMALL A. A. MEETING.

FERNSTROM TRACK MANAGER.

Bare Quorum Present at Time When Matters Were Discussed.

Three managers were elected, reports were received, action was taken concerning the cross country management and much other business was transacted at the meeting of the Athletic Association Friday.

The position of cross country manager was abolished, and incorporated with that of the manager of the track team. In doing this Technology merely followed the lead of all the other colleges.

Attendance at the meeting was very poor, barely one half of all the members being present. For most of those absent there was no excuse. The members that were at the meeting were G. T. Glover, C. W. Gram, M. R. Scharff, Fitzherbert, W. C. Salisbury, R. Ellis, B. L. Gimson, A. L. Moses, C. W. Whitmore, J. J .Lange, E. M. Loring, L. Coffin, H. R. Callaway, J. T. Tobin, K. D. Fernstrom, D. C. McMurtrie, C. Turner, and H. Allen.

Manager D. C. McMurtrie 1910, of the track team presented the report on the competition which has been in progress between members of the manager. He nominated E. Stuart and K. D. Fernstrom as the two men who had done the best work.

Fernstrom, McMurtrie said, had many natural qualifications for the place and in the early part of the season he had done hard work and had collected the most part of the subscription for the relay team trip. During the latter part of the season, however, he had shown little interest and his work had been irregular.

Stuart, the manager said, had come out first for the competition and had worked steadily all through it. During the last part of the season when there was more to do than at any other time he had kept at the work continuously and had been always anxious to have something to do. He had shown that he was out for the position in real earnest. It was at this time that Fernstrom had seemed to lose interest.

On the basis of work done McMurtrie said that he recommended Stuart as winner of the competition, but he put both names before the association for action. Both, he said, would be good men for the position.

C. W. Gram 1909 said that he favored Fernstrom for the position because he was well liked by the track team and would be a very acceptable manager. On the vote Fernstrom was elected manager, 8-6, to take office next year.

On the recommendation of Capt. E. M. Loring Maurice Chapin 1910 was elected manager of the fencing team for next year. He was the only man that had remained in the competition.

W. B. Hargraves 1910, the assistant manager of the basket ball team, was raised to the rank of manager for the coming season.

It was decided to elect two men temporary representatives to serve until the organization of the athletic association next year. H. E. Whitaker and M. R. Scharff were nominated, and Ellis and Scharff were elected.

The question of the abolishment of the hockey and basket ball teams was considered but action was deferred until next year.

FRESHMEN BY ONE RUN.

Eighth Inning Rally Wins From Allen School.

1911's baseball team won the closest victory of its season last Friday by defeating the Allen school nine at the Field by the score of 4 to 3. All the scoring of the Tech team was done in the eighth inning, when its stick work was exceptionally good. It was at this time that the regular team was put in.

Innings	1	2	3	4	5	6	7	8	9
Tech 1911	0	0	0	0	0	0	0	4	0—4
Allen School	0	0	0	0	0	0	1	1	1—3

DARTMOUTH SURE CHOICE FOR INTERCOLLEGIATES.

TECH HAS CHANCE FOR SECOND.

Will Have Hard Fight With Amherst For the Place.

Dartmouth seems to be the choice for first place in the N. E. I. A. A. championship meet next Friday and Saturday at Technology Field, but Tech will have a hard fight with Amherst for second place.

Never has there been such an opportunity to gauge individual performances before the intercollegiate contest, with dual meets between Amherst and Wesleyan, Amherst and Williams, Brown and Williams, Brown and Technology, Maine and Technology, Dartmouth and Harvard, and the regular Maine intercollegiate games. In these Tech beat Brown by a small margin, Brown beat Williams, Amherst beat Williams, so that the race for second seems to be between Amherst and Technology.

Brown will be stronger than Williams for fourth place as the former college scored 11 firsts to the four of the latter in the dual contest between them, making Williams' strength count for little in the coming college meet.

In looking over the events the quality of performances promised is almost as high as in the big intercollegiates, with perhaps an exception in the mile, two mile and hammer throw. In the high hurdles there is promised a new world's record or an equal, while in the dashes and half-mile record time is fairly certain. The discus throw will probably be won at a record distance, while the New England record for the pole vault seems likely to go.

In the century dash N. A. Sherman of Dartmouth seems to have things his own way with a record of 10 1-5s performed in the Harvard-Dartmouth dual meet and the intercollegiate meet last year. Back of him will come numerous stars such as J. P. Hartigan of Brown with 10 2-5s to his credit, R. B. Pond of Maine, who bounded through the 100 against Tech in 10 2-5s for first by yards, Baldwin of Amherst, good for 10 2-5s, West of Amherst, who did 10 2-5s in the dual meets with Wesleyan and with Williams, C. W. Gram of Tech, who is good for 10 2-5s if he is in condition on the day of the race.

Sherman seems to be a favorite in

Continued on page 2.)

PORTFOLIO OUT JUNE 2.

The Portfolio will be ready for delivery Tuesday, June 2. The time and place will be published later. A special effort has been made this year to get the book out early so that every one will be able to take one away with him.

The committee is in urgent need of money as the engravers and printers bill amounting to over $1000 have to be met on Thursday, May 21. There are still a great many who have signed up who have not yet made their first payment of $3 on the book. The committee asks all these men, and also those who can possibly make their Daddow, Ferris, Webb, or Williams before Thursday and pay up. If sufficient funds are not on hand at that time, it is very possible the book cannot be delivered until a much later date.

CLASH AGAIN TODAY.

1910 and 1911 Play Second Game in Series.

This afternoon at 3.30 the second game in the freshman-sophomore baseball series will be played at the Field. General sentiment is in favor of the 1910 team as it has already beaten the 1911 aggregation, but the freshmen have a good chance to win and expect to pull out with the score in their favor. A considerable number was present at the last game and a good attendance is expected today. This will be the last contest between the two classes this year if the sophomores win.

SENIOR CLASS DINNER AND DANCE ARRANGED.

DADDON IS TOASTMASTER.

Assessment in Each Case Will Be Two Dollars.

Arrangements for the senior class dinner are nearly complete, with the exception of the list of speakers. The dinner will be held at the American House at 6.30 P. M., June 4, with S. H. Daddow as toastmaster.

The committee consisting of M. E. Allen, chairman, Osborne, and Tobin earnestly requests the attendance of as many men as possible, and promises a good time to anyone who attends. The assessment for the dinner will be two dollars.

The senior dance will take place at half-past eight on June 8 at Copley Hall. There will be sixteen dances and four extras. The dance orders may be obtained from any of the members of the committee either today or Tuesday. McGuigan is chairman and Webb and Glover are the other two members. The assessment for the dance is two dollars.

ARCHITECTS HAVE USUAL GOOD TIME AT DINNER.

R. A. CRAM SPEAKS.

Meeting Marked by Close Companionship and Gayety.

With Ralph A. Cram of the Boston firm of Cram, Goodhue, and Ferguson, architects, as the principal speaker of the evening, and with the majority of their instructors present, the architects ended one of the most successful years in the history of their society at the annual dinner at the Copley Square Hotel Saturday evening.

The dinner was marked throughout by the usual spirit of close companionship, always seen at an informal meeting of the Architectural Society. The dinner itself was but a pivot on which the evening's pleasure swung, as most of the time, both before and between the speeches, was spent in singing songs and in a general good time.

Clarence J. Brown 1909, who was elected president at the annual meeting of the society last Thursday, acted as toastmaster, being introduced by Edgar I. Williams 1908, the retiring president. Those present were Ralph A. Cram, Profs. Chandler and Gardner, Instructors Brown, Meade, Turner, and

(Continued on page 2.)

RIFLE CLUB WILL ENTER.

At a meeting of the Rifle Club Friday it was decided to enter a team of six men in the Intercollegiate Cup shoot of the National Rifle Association to be held at the Wakefield range between June 15 and 27. A motion to enter the Telegraphic Intercollegiate Match was voted down.

WILBUR WINS MEDAL.

Score Kept Low by High Wind Across Range.

President H. R. Wilbur 1910 of the Rifle Club won the shoot for the National Reserve Association medal at Wakefield Saturday with a score of 83 out of a possible hundred. A strong wind across the range made fine work difficult.

Second place was a tie at 78 by 1st Lieut. W. N. Drew 1910 Co. A. and S. A. Francis 1911. The three next highest scores were D. P. Marvin 1910, 77; F. P. Ryder 1911, 76; M. R. Thompson 1910, 74.

The medal is bronze and of the class presented yearly by the M. R. A. to college clubs affiliated with it, to be shot for by members.

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Monday, May 18, 1908.

DARTMOUTH SURE CHOICE.

(Continued from page 1.)

the 220-dash, but here he is likely to meet stronger opposition than in the 100, with C. W. Gram, the intercollegiate record holder at 22s, and J. P. Hartigan of Brown, who covered the furlong in 22 4-5s in the Brown Williams meet. Sherman did the distance in 22s in the dual meet with Harvard.

The great race of the second day will be the finals in the 440-yard dash. The three cracks will be Faraday of Wesleyan, who did the distance in 51 2-5s in the dual contest between Amherst and Wesleyan; W. D. Evans of Dartmouth, who won the 440 on the Stadium track in 51 4-5s, and Stevens of Williams, who has to his credit 51 4-5s made in the Brown-Williams meet. With these will compete the two Tech quarter-milers, H. W. Blackburn and W. C. Salisbury, both of them have done the distance in 52s.

In the half mile the performances will not be so good, but the competition will be keen. R. L. Carus of Dartmouth and B. L. Gimson of Tech will be the bidders for the first position, the first having run the distance in 2m 3s, the latter 3-5s slower. Close after these two comes Fortier of Maine, who has to his credit 2m 4s, P. D. White of Tech, G. E. Shipley of Dartmouth, Hopkins of Williams, Shattuck of Amherst, and Gray of Wesleyan are about on equal footing for other places.

The mile will probably be done under 4m 40s, and it would not be an unlikely thing to see the record of 4m 24 2-5s equalled. H. C. White of Amherst, with 4m 38s, has only two seconds on R. W. Barstow, while W. W. Greene of Brown, L. O. Mills of Tech, and W. M. Hicks of Maine are only seven seconds behind the Amherst stars.

The performances this year in the two mile have not been very good, nothing equal to those of S. M. Udale of Tech and D. T. Gallup of Brown last year, both of them went below the 10-minute mark in every race. So far H. L. Walker has made the best mark with 10m. 11s, with Bonner of Williams second. H. H. Howland of Tech has shown up very strong this spring, winning this event in the Maine and Brown meets by a good margin.

Some truly wonderful performances can be expected in the high and low hurdles with the champion A. B. Shaw of Dartmouth, "Johnny" Mayhew of Brown, and Horrax of Williams competing. If Shaw improves as he did last year he will have no difficulty in equalling Garrel's record of 15 1-5s in the high hurdles.

In the high jump E. R. Palmer of Dartmouth has done this season 5 ft. 10 1-2 in., better than any other entries for the season. Williams has, however, Horrax, who holds the record made last year of 5 ft. 11 1-2 in., and H. A. Rapelye is good for 5 ft. 10 in.

Captain T. W. Orr of Tech and F. A. Jencks of Dartmouth will have a pretty fight in the pole vault, both having cleared 11 ft. earlier in the season. The other high class competitors in this event are Horrax of Williams and G. Schobinger of Tech.

Sherman of Dartmouth will not have an easy time winning the broad jump, having pitted against him J. W. Mayhew, good for 22 ft. and more; Horrax of Williams, whose record is 21 ft. 4 1-2 in., and G. Schobinger of Tech, who has done over 21 ft.

Bowdoin will shine in the shot put with H. E. Howell and B. C. Morrill, having a record this year of over 40 feet. F. Moore of Tech is the only man that has approached the work of the Brunswick entries.

There will be sharp competition in the hammer throw between F. J. Johnson and C. K. Pevear of Dartmouth and H. O. Smith of Amherst. Johnson and Smith have thrown the weight over 126 ft., while Peavear has 125 to his credit. Lament of Williams and Kirley of Brown are the only other entries that approaches this trio.

That the discus record of 120 ft. 10 1-2 in. will go seems evident if Hawley of Dartmouth has improved since the Dartmouth spring games, his throw being 108 ft. 8 3-4 in. L. D. Nisbet is one of Hawley's strong competitors with Kirley of Brown and Lament of Williams.

ARCHITECTS HAVE USUAL.

(Continued from page 1.)

Bartlett; and Williams, C. A. Brown, Vonnegut, Kuehue, Kibbey, Meade, Chandler, McGinniss, Ford, Tabor, Hazen, McLaughlin, Batchelder, Bentley, Youngerman, Crane, Dolke, Price, and Clements of the fourth-year men; Barnes of the fifth year, and C. J. Brown, Atherton, Kellogg, Flagg, Siebert, Bounetheau, Menke, Bollenbacher, Glazier, Myers, Shaffer, and Gibbs of the third-year class.

The entertainment for the evening, besides that impromptu fun created by the men themselves, consisted entirely of speeches made by the guests and by a number of the men. The speaker of the members of the architectural instructing staff were informal and indicative of the close companionship and good will that exists between instructor and student in the Department of Architecture.

Mr. Cram, who is considered the greatest authority in America on Gothic architecture, took as the theme for an extemporaneous talk, "University Architecture," explaining how much the traditions, the atmosphere, and, above all, the fundamental ideas of a university are expressed in its material form.

Princeton University was taken by Mr. Cram as the example on which he hinged his general remarks, for the double reason that Princeton is the only collegiate institution in America which has now, and is planning for the future, an architecture which so expresses its collegiate atmosphere, and that Mr. Cram himself has been chosen the supervising-architect for Princeton University.

The chairman of the publication committee of the society, W. F. Dolke 1908, made his report for volume one of the society's quarterly publication, "The Technology Architectural Record," showing that the magazine, which is unique in being the only publication in the world which deals entirely and only with the student side of architecture, has been more a success than had been expected for it. Great stress was laid on the fact that the largest part of the success of the undertaking is due to the efforts of Prof H. W. Gardner, who originated the idea and who has been general-manager of the Record, acting with the publication committee.

On Friday evening a large number of the architects attended the annual dinner of the Boston Architectural Club at the Hotel Somerset, the affair taking the nature of a reception to the winner of the Rotch travelling fellowship, Israel P. Lord, a graduate of the Architectural Department.

The Harvard architectural students gave their theatrical production, "The Mummy and the Lulu Bird," following the regular speakers of whom Prof. Despradelle was one.

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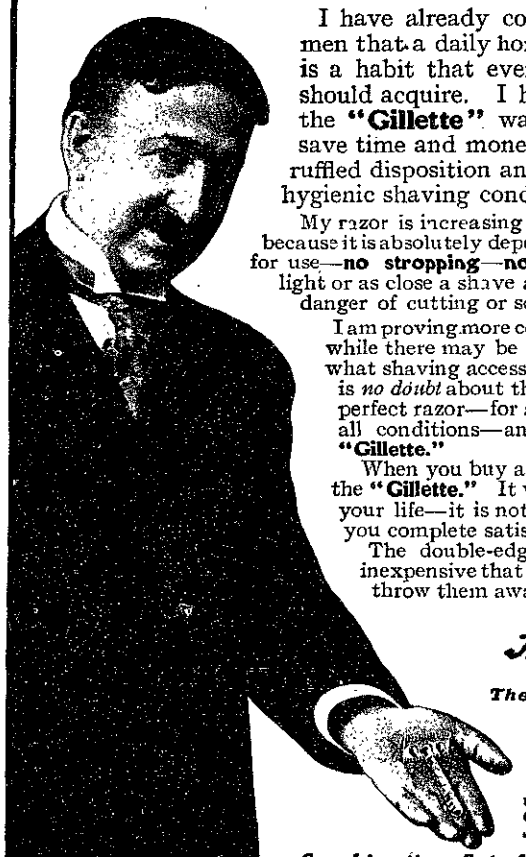

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PROVISIONAL EXAMINATION.

(Continued from page 1.)

Year.	Subject.	Hour.
3	*Railroad Engineering. 313.	9-12
3	Sanitary Biology. 745.	9-11
3	Ship Construction. 900.	9-11
2	*Spherical Trigonometry. 24.	2-4
4	Steam Engineering. 387.	9-12
3	Technical Chemistry. 635.	9-12
3,4	†Technical Electrical Measurements. 685.	9-12
	Monday, June 1.	
3	Applied Mechanics. 85, IV.	9-11
4	*Bridge Design. 355.	2-5
4	Dynamics of Machines. 401.	2-5
4	*Electrical Engineering. 657.	2-5
3	Electrical Engineering. 683, II.	9-12
3	*Electrical Measuring Instruments. 778.	2-3.30
4	Electric Light & Transmission of Power. 663.	9-12
3,4	Electro-chemistry. 613.	9-10.30
1	*English. 140.	9-11
2	English Literature. 150.	9-11
4	Heating and Ventilating Engineering. 423.	9-11
4	Locomotive Engineering. 421.	9-12
4G	Marine Engine. 913, 420.	9-12
3	Materials. 352.	9-11
1	*Military Science. 990.	11-12
4	Mill Engineering. 422.	9-11
3	Naval Architecture. 901, XIII-A.	9-12
3	Petography. 843.	9-11
3	*Political Economy. 190.	2-4
2	*Qualitative Analysis. 552.	2-4
4	Railroad Engineering. 319.	9-12
4	Sanitation of Ships. 756.	9-11
2	Surveying. 304, Course VI.	2-4
3,4	Theoretical Chemistry. 610.	10.30-12
2,3,4	Theoretical Chemistry. 618.	2-5
1	U. S. History. 170.	2-4
	Tuesday, June 2.	
3,4	Air, Water and Food Analysis. 565.	9-11
2	Applied Mechanics. 60, 76.	9-12
2	Cryptogamic Botany. 735.	9-12
4	Hydraulic Motors. 338.	9-12
1,2	Industrial Microscopy. 708.	2-4
3,4	*Materials. 352.	9-11
1	*Mathematics. 21, 1st term.	2-5
3,4	Micros. Anal. of W. & S. 711.	9-11
4	Mining Engineering. 459.	9-11
4	*Organic Chem. Lab. 598.	2-4
3,4	*Quantitative Anal. 559.	2-4
3	Railroad Engineering. 313.	9-12
3	Steam Engineering. 385.	9-12
4	Steam Engineering. 385. VIII.	9-11
4	*Structures. 348.	2-5
2	Valve Gears. 360, 361, 362, II, Optional.	2-4
	Wednesday, June 3.	
2	Architectural History. 490.	9-11
1	Descriptive Geometry. 101.	9-12
1	Descriptive Geometry. 103.	9-12
2	Descriptive Geometry. 107.	9-12
2	*Geology, General. 856.	2-5
1	Military Science. 990.	2-3
3	Physiology, General. 725.	9-12
2,3	†Precision of Measurements. 772.	2-4
3	Surveying Adv. 303.	9-11
3	Topographic Geology. 874.	2-3.30
	Thursday, June 4.	
3	*Differential Equations. 43.	2-5
3	*Differential Equations Elem. 42.	2-4
3	*Economic Geology. 859.	2-5
3	Highway Engineering. 314.	9-12
2	Integral Calculus. 35.	9-12
2	Mineralogy. 840, 841.	2-5
3	Naval Architecture. 901. XIII.	9-12
3	Organic Chemistry. 592.	9-12
2	Ship Construction. 900.	2-4
3	Structural Design. 538.	9-12
	Friday, June 5.	
3	*Architectural History. 491.	2-5
3	Astronomy & Geodesy. 308.	2-5
Sp.	*Desc. Geometry. 100, 101.	2-5
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2	*Physics. 770, 1st term.	9-12
1	*Trigonometry. 23.	9-12
2	Zoology. 716.	2-4
	Saturday, June 6.	
1	*Chemistry. 550.	2-5
3	*Direct Current Generators. 654.	2-4
2	Mach. Tools & C. M. 360, 361, II, III (2), XIII.	9-11
1	Mathematics. 21, 22, 2d term.	9-12
2	*Mechanism. 360, 361, 362, 364.	2-5
3	*Physics. 771.	9-11
2	Quantitative Anal. 558.	9-12
2,3	*Surveying. 300.	9-12

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The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

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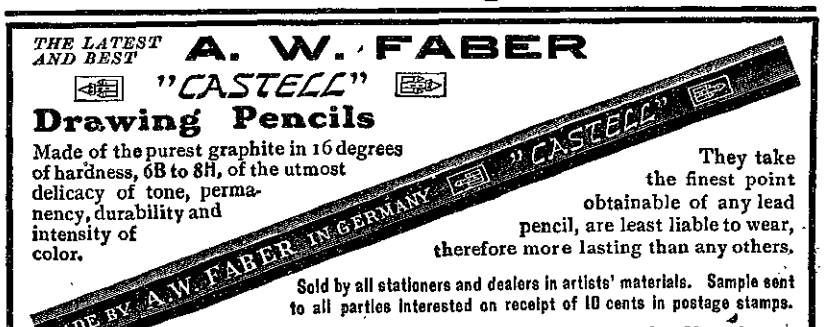

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SPECIAL INDUCEMENTS TO TECH STUDENTS

NEWTON MEN MAKE PLANS.

Many plans for next year were made at the annual dinner of the Newton High School Club at the Union Friday evening. President Kenneth Chipman 1908, was the master of ceremonies. The guests were Dean Burton, Mr. Charles D. Meserve, and five Newton High School men who will be at the Institute next year.

CALENDAR.

Monday, May 18.

3.30 P. M. Baseball, 1910 vs 1911 at the Field.

4.00 P. M. Mining Engineering Society Meets in 2 Rogers.

Tuesday, May 19.

1.00 P. M. Senior Week Programs Issued at the Cage.

7.00 P. M. Walker Club Meets at the Technology Club.

Wednesday, May 20.

5.00 P. M. Show Authors Meet in 34 Rogers.

FACULTY NOTICE.

DEPT. OF MIL. SCIENCE.—Prize Drill will be held on May 22 at 7.30 P. M. Drill will be held May 20 as usual, but there will be no drill on May 27.

NOTICES.

SENIOR PROGRAMS.—Seniors may obtain the programs for senior week by applying at the Cage tomorrow, Tuesday, after 1 P. M. The committee will also endeavor to have extra programs in all the fourth year drawing rooms.

SHOW AUTHORS.—A meeting of all men who wish to submit books for next year's Tech Show will be held Wednesday at 5 P. M. in 34 Rogers. An effort will be made to have Mr. Francis there.

MINING ENGINEERING SOCIETY.—Meeting today at 4.00 in 2 Rogers for election of next year's officers.

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LOST.—Thursday, May 14, a dark gray rain coat from 43 B Rogers. Return to Mech. Drawing office. No questions asked.

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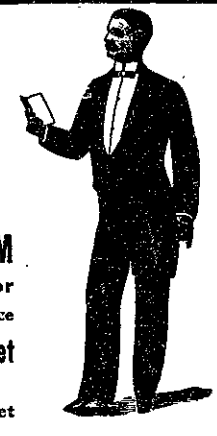

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